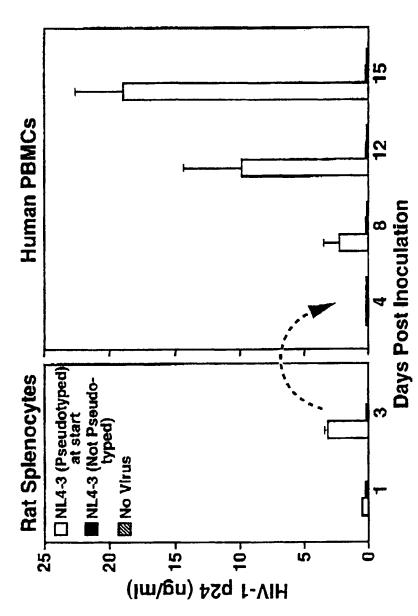
U.S. Patent Application Serial No. To Be Assigned Title: TRANSGENIC RODENTS AND RODENT CELL LINES EXPRESSING HIV CO-

RECEPTORS

Filing Date: February 6, 2002 Kathleen S. Hall (Reg. No. 44,143) (650) 833-7773 Sheet 1 of 7



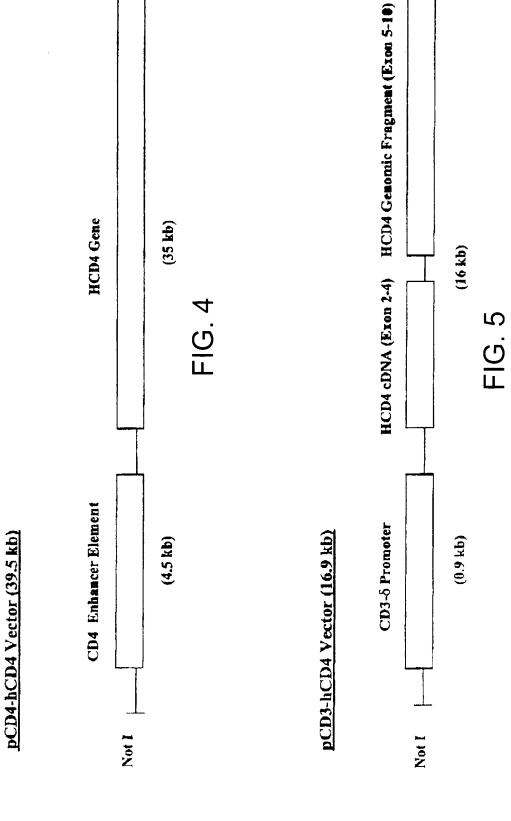




Filing Date: February 6, 2002 Kathleen S. Hall (Reg. No. 44,143) (650) 833-7773 Sheet 2 of 7 HCXCR4 cDNA HCCR5 cDNA (1.2 kb) (1.3 kb) FIG. 3 HCD4 Intron I HCD4 Intron I FIG. 2 (8.4 kb) (8.4 kb) CD4 Enhancer/Promotor CD4 Enhancer/Promoter pCD4-bCXCR4 Vector (13.3 kb) pCD4-hCCR5 Vector (13.2 kb) (0.9 kb)(0.9 kb)Not I Not I

U.S. Patent Application Serial No. To Be Assigned Title: TRANSGENIC RODENTS AND RODENT CELL LINES EXPRESSING HIV CO-RECEPTORS

U.S. Patent Application Serial No. To Be Assigned Title: TRANSGENIC RODENTS AND RODENT CELL LINES EXPRESSING HIV CORECEPTORS
Filing Date: February 6, 2002
Kathleen S. Hall (Reg. No. 44,143)
(650) 833-7773 Sheet 3 of 7



U.S. Patent Application Serial No. To Be Assigned Title: TRANSGENIC RODENTS AND RODENT CELL LINES EXPRESSING HIV CO-RECEPTORS
Filing Date: February 6, 2002
Kathleen S. Hall (Reg. No. 44,143)
(650) 833-7773 Sheet 4 of 7



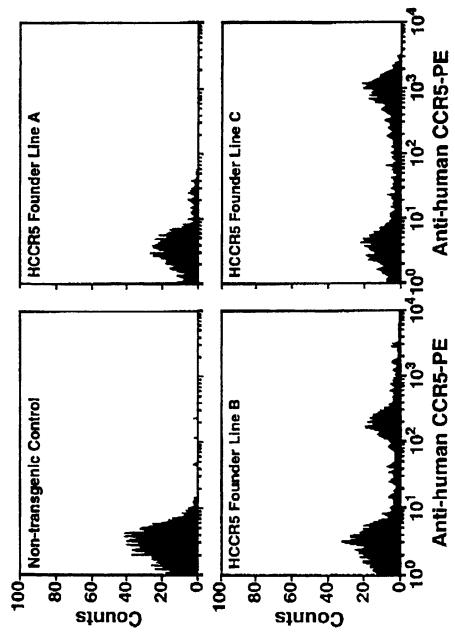


FIG. 6

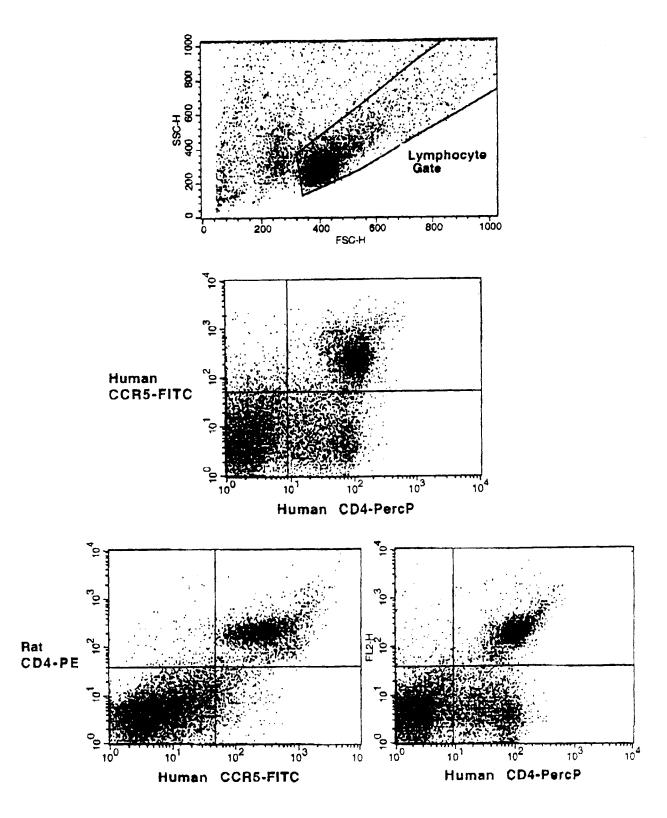


FIG. 7

RECEPTORS

Filing Date: February 6, 2002 Kathleen S. Hall (Reg. No. 44,143) (650) 833-7773 Sheet 6 of 7

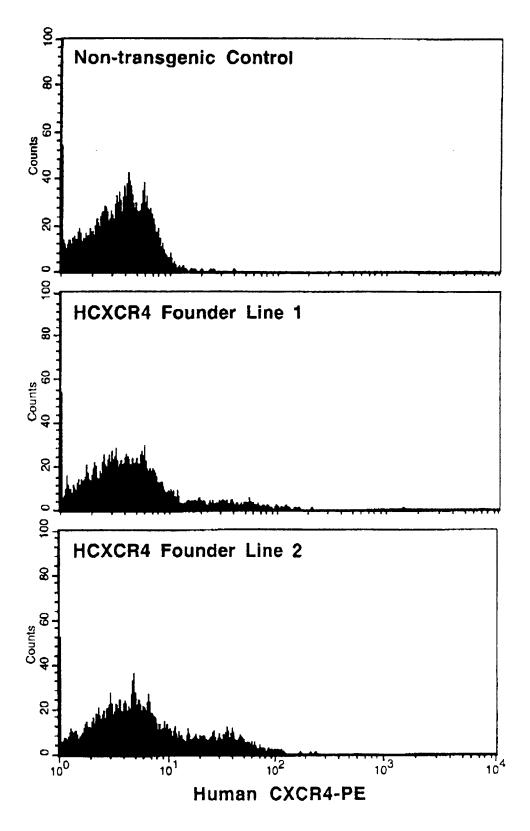
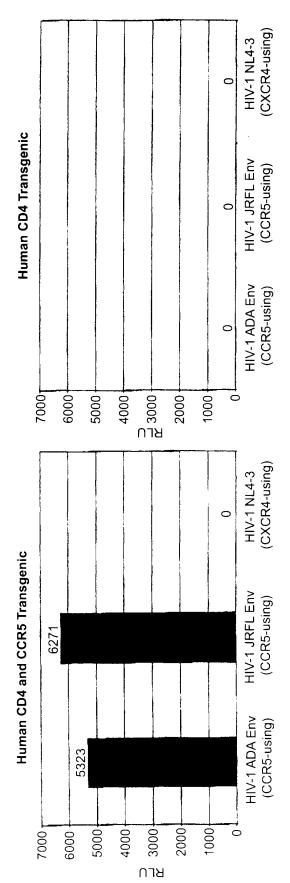


FIG. 8

U.S. Patent Application Serial No. To Be Assigned Title: TRANSGENIC RODENTS AND RODENT CELL LINES EXPRESSING HIV CO-RECEPTORS
Filing Date: February 6, 2002
Kathleen S. Hall (Reg. No. 44,143)
(650) 833-7773 Sheet 7 of 7

Infection of Transgenic Rat Plenocytes with Pseudotyped HIV-1 Luciferase Reporter Viruses

FIG. 9



Viral Envelope

Viral Envelope